

**EL PASO FIELD SERVICES
PRODUCTION PIT CLOSURE**

inside Risk
~~Risk~~
Bedrock

**Ludwick LS #13 PC, MV
Meter/Line ID – 71491, 71492**

SITE DETAILS

Legals - Twn: 29N	Rng: 10W	Sec: 5	Unit: G
NMOCD Hazard Ranking: 10		Land Type: BLM	
Operator: Amoco		Pit Closure Date: 06/13/94	

RATIONALE FOR RISK-BASED CLOSURE

The pit noted above was assessed and ranked according to the criteria in the New Mexico Oil Conservation Division's (NMOCD) Unlined Surface Impoundment Closure Guidelines.

A test pit was excavated to 12 feet below ground surface and a soil sample was collected for field headspace analysis and laboratory analysis for TPH. The pit was backfilled and graded in a manner to direct surface runoff away from the pit area. Headspace analysis indicated an organic vapor content of 283 ppm; laboratory analysis indicated a TPH concentration of 156 mg/kg. The site was re-assessed on February 13, 1998, due to the original assessment that incorrectly included washes as a surface water body.

El Paso Field Services Company (EPFS) requests closure of the above mentioned production pit location for the following reasons:

- The primary source, discharge to the pit, has been removed for six years.
- The test pit was backfilled and the former pit area graded to direct surface runoff away from the former pit.
- There are no water supply wells or other sources of fresh water extraction within 1,000 feet of the site.
- Residual hydrocarbons in the soil will degrade naturally with minimal risk to the environment.

ATTACHMENT

Field Pit Assessment Form
Field Pit Remediation/Closure Form

Revised Field Pit Assessment Form
Laboratory Analytical Results



FIELD PIT SITE ASSESSMENT FORM

(assess) 12/16/97

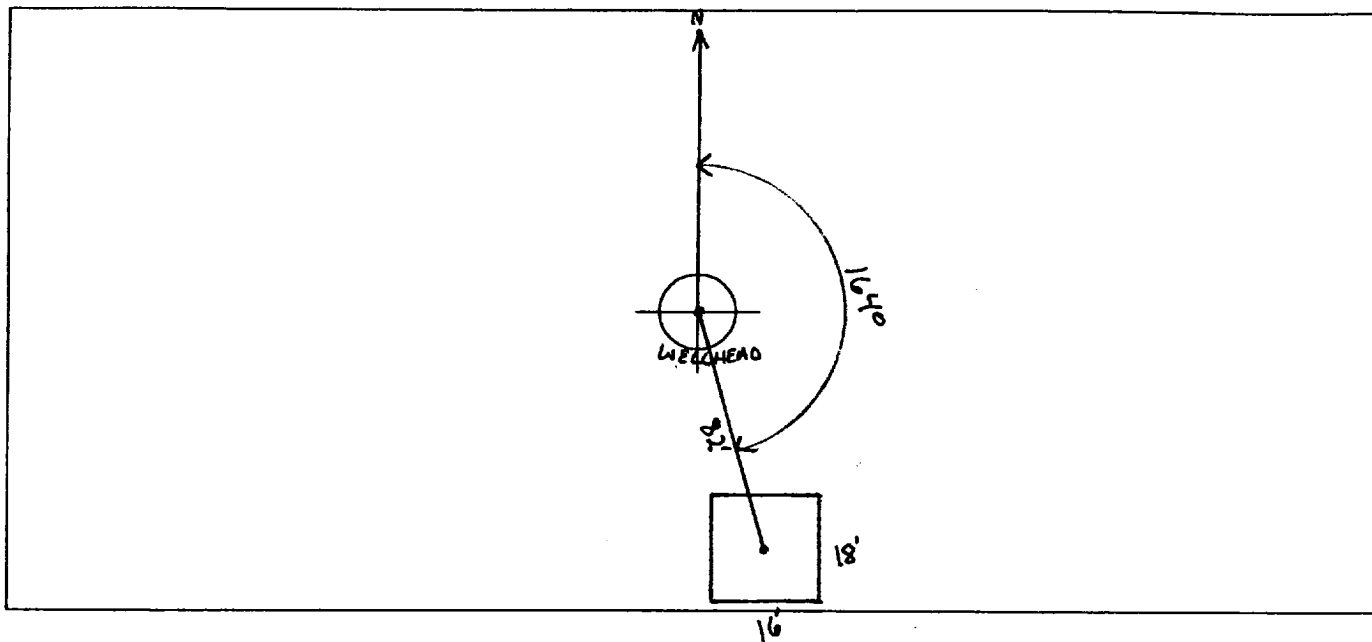
FIELD PIT SITE ASSESSMENT FORM

GENERAL	<p style="text-align: center;">71492^{mv}</p> <p>Meter: <u>71491^{mv}</u> Location: <u>LUOWICK LS #13 (PC) i mv</u></p> <p>Operator #: <u>0203</u> Operator Name: <u>Amoco</u> P/L District: <u>Bloomfield</u></p> <p>Coordinates: Letter: <u>6</u> Section <u>5</u> Township: <u>29</u> Range: <u>10</u></p> <p>Or Latitude _____ Longitude _____</p> <p>Pit Type: Dehydrator _____ Location Drip: <u>X</u> Line Drip: _____ Other: _____</p> <p>Site Assessment Date: <u>5.2.94</u> Area: <u>10</u> Run: <u>73</u></p>
SITE ASSESSMENT	<p>NMOCD Zone: (From NMOCD Maps)</p> <p style="margin-left: 100px;">Inside <input type="checkbox"/> (1) Outside <input checked="" type="checkbox"/> (2)</p> <p style="margin-left: 100px;">Land Type: BLM <input checked="" type="checkbox"/> (1) State <input type="checkbox"/> (2) Fee <input type="checkbox"/> (3) Indian _____</p> <p>Depth to Groundwater</p> <p>Less Than 50 Feet (20 points) <input type="checkbox"/> (1) 50 Ft to 99 Ft (10 points) <input checked="" type="checkbox"/> (2) Greater Than 100 Ft (0 points) <input type="checkbox"/> (3)</p> <p>Wellhead Protection Area : Is it less than 1000 ft from wells, springs, or other sources of fresh water extraction? , or ; Is it less than 200 ft from a private domestic water source? <input type="checkbox"/> (1) YES (20 points) <input checked="" type="checkbox"/> (2) NO (0 points)</p> <p>Horizontal Distance to Surface Water Body</p> <p>Less Than 200 Ft (20 points) <input type="checkbox"/> (1) 200 Ft to 1000 Ft (10 points) <input type="checkbox"/> (2) Greater Than 1000 Ft (0 points) <input checked="" type="checkbox"/> (3)</p> <p>Name of Surface Water Body _____</p> <p>(Surface Water Body : Perennial Rivers, Major Wash, Streams, Creeks, Irrigation Canals, Ditches, Lakes, Ponds)</p> <p>Distance to Nearest Ephemeral Stream <input type="checkbox"/> (1) < 100' (Navajo Pits Only) <input type="checkbox"/> (2) > 100'</p> <p>TOTAL HAZARD RANKING SCORE: <u>10</u> POINTS</p>
REMARKS	<p>Remarks : <u>THREE PITS ON LOCATION. WILL CLOSE ONLY ONE. PIT IS DRY. REDLINE SHOWS LOCATION IS IN THE U.Z. BUT TOPO SHOWS THAT IT IS OUTSIDE THE U.Z.</u></p> <p style="text-align: right; margin-top: 20px;">PUSH IN</p>

ORIGINAL PIT LOCATION

ORIGINAL PIT LOCATION

Original Pit : a) Degrees from North 164° Footage from Wellhead 82'
b) Length : 18' Width : 16' Depth : 2'



REMARKS

Remarks :

TOOK PICTURES AT 1:56 P.M.

END DUMP

Completed By:

Robert Thompson
Signature

5-2-94
Date

FIELD PIT REMEDIATION/CLOSURE FORM

GENERAL	<p>Meter: <u>71491</u> Location: <u>Ludwick LS#13 PC</u></p> <p>Coordinates: Letter: <u>G</u> Section <u>5</u> Township: <u>24</u> Range: <u>10</u></p> <p>Or Latitude _____ Longitude _____</p> <p>Date Started : <u>6-13-94</u> Area: <u>10</u> Run: <u>73</u></p>
FIELD OBSERVATIONS	<p>Sample Number(s): <u>VW195</u></p> <p>Sample Depth: <u>12'</u> Feet</p> <p>Final PID Reading <u>283</u> PID Reading Depth <u>12'</u> Feet</p> <p style="text-align: center;">Yes No</p> <p>Groundwater Encountered <input type="checkbox"/> (1) <input type="checkbox"/> (2) Approximate Depth _____ Feet</p>
CLOSURE	<p>Remediation Method :</p> <p>Excavation <input type="checkbox"/> (1) Approx. Cubic Yards _____</p> <p>Onsite Bioremediation <input type="checkbox"/> (2)</p> <p>Backfill Pit Without Excavation <input checked="" type="checkbox"/> (3)</p> <p>Soil Disposition:</p> <p>Envirotech <input type="checkbox"/> (1) <input type="checkbox"/> (3) Tierra</p> <p>Other Facility <input type="checkbox"/> (2) Name: _____</p> <p>Pit Closure Date: <u>6-13-94</u> Pit Closed By: <u>BEZ</u></p>
REMARKS	<p>Remarks : <u>CPNG line markers. Bentonite layer at 11'</u></p> <p style="text-align: center;"><u>shale</u></p>
	<p>Signature of Specialist: <u>Wade Wilson</u></p>

**FIELD SERVICES LABORATORY****ANALYTICAL REPORT****PIT CLOSURE PROJECT - Soil****SAMPLE IDENTIFICATION**

SAMPLE NUMBER:

Field ID

Lab ID

MTR CODE | SITE NAME:

SAMPLE DATE | TIME (Hrs):

SAMPLED BY:

DATE OF TPH EXT. | ANAL.:

DATE OF BTEX EXT. | ANAL.:

TYPE | DESCRIPTION:

N/A

REMARKS:

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
BENZENE		MG/KG				
TOLUENE		MG/KG				
ETHYL BENZENE		MG/KG				
TOTAL XYLENES		MG/KG				
TOTAL BTEX		MG/KG				
TPH (418.1)	156	MG/KG			2.09	28
HEADSPACE PID	283	PPM				
PERCENT SOLIDS	85.9	%				

- TPH is by EPA Method 418.1 and BTEX is by EPA Method 8020 -

The Surrogate Recovery was at
Narrative:

N/A

% for this sample All QA/QC was acceptable.

DF = Dilution Factor Used

VAT 1000

7/14/94



CHAIN OF CUSTODY RECORD

Page _____ of _____

PROJECT NUMBER		PROJECT NAME		REQUESTED ANALYSIS		CONTACT LABORATORY P. O. NUMBER	
SAMPLERS: (Signature)		DATE		TPH EPA 418.1		BTEX EPA 8020	
LAB ID	DATE	TIME	MATRIX	SAMPLE TYPE	TOTAL NUMBERS OF CONTAINERS	TPH EPA 418.1	BTEX EPA 8020
9415437	6.13.94	930	Soil	VG	1	X	
9415438	6.13.94	1000	Soil	VG	1	X	
9415439	6.13.94	1050	Soil	VG	1	X	
9415440	6.13.94	1245	Soil	VG	1	X	
9415441	6.13.94	1345	Soil	VG	1	X	
9415442	6.13.94	1430	Soil	VG	1	X	
9415443	6.13.94	1535	Soil	VG	1	X	
RECEIVED BY: (Signature) DATE/TIME 6.13.94 1800							
RECEIVED BY: (Signature) DATE/TIME 6.14.94 0855							
RECEIVED OF LABORATORY BY: (Signature) Kin King							
RESULTS & INVOICES TO:							
FIELD SERVICES LABORATORY EL PASO NATURAL GAS COMPANY P. O. BOX 4990 FARMINGTON, NEW MEXICO 87499							
505-599-2144 FAX: 505-599-2261							